Corrosion Control System Manufacturers in India

Corrosion poses a significant threat to the longevity and functionality of critical infrastructure, especially in sectors like electronics manufacturing, data centers, healthcare, and petrochemicals. In India, several manufacturers have developed specialized corrosion control systems to address this issue. One such company is AQOZA Technologies Pvt Ltd, which offers advanced solutions to protect sensitive equipment from corrosion.

AQOZA Technologies Pvt Ltd: A Leader in Corrosion Control

AQOZA Technologies Pvt Ltd, established in 2018, is a prominent manufacturer specializing in corrosion control systems in India. The company is headquartered in Kochi, Kerala, with manufacturing facilities in Palakkad, Kerala, and a research and development center at the Kerala Technology Innovation Zone in Kalamassery. AQOZA focuses on providing energy-efficient and compact units designed to protect electronics and other critical equipment from corrosion caused by airborne contaminants.

Product Offerings

AQOZA's corrosion control solutions are tailored to meet the needs of various industries, including electronics manufacturing, data centers, healthcare, paper and pulp, petrochemical, wastewater treatment, and other manufacturing sectors that produce corrosive gases. The company's primary product in this domain is the Corrosion Control Unit (CCU), which is a standalone filtration unit designed to remove corrosive gases from the air in critical environments.

Corrosion Control Unit (CCU)

The AQOZA CCU is engineered to protect sensitive equipment by continuously recirculating the air through a multi-stage filtration system. This system includes pre-filters, chemical filters, and post-filters, effectively removing particles and corrosive gases present in the room. Key features of the CCU include:

- High volumetric flow rate
- Compact design with quiet operation
- Integrated sensors for temperature, humidity, room pressure, and differential pressures across the filters
- Human-Machine Interface (HMI) display with speed control
- Front door access to filters for easy servicing

Optional features include custom filters and the ability to connect to Distributed Control Systems (DCS) for integrated monitoring.

Filtration Media & Modules

AQOZA offers a range of filtration media and modules to enhance the performance of its corrosion control systems. These include:

- **AQOZA Green Pellets**: High-performance filtration media made from coconut activated carbon, a renewable resource, designed for corrosive gas removal applications.
- **Zeolite & Alumina Oxides Pellets**: Chemically impregnated media tailored to specific applications.
- **AQOZA Box Modules**: Compact plastic modules filled with filtration media, designed for larger airflow with minimal pressure drop.

Applications

AQOZA's corrosion control systems are suitable for various applications, including:

- Electronics manufacturing facilities
- Data centers and server rooms
- Laboratories and control panel rooms
- Equipment rooms in industries like healthcare, paper and pulp, petrochemical, and wastewater treatment

By implementing AQOZA's solutions, these industries can protect their critical equipment from the detrimental effects of corrosion, ensuring operational efficiency and reducing maintenance costs.

Commitment to Sustainability

AQOZA is committed to sustainability and green innovations. The company's use of coconut activated carbon in its filtration media aligns with its focus on renewable resources. Additionally, AQOZA's products are designed to be energy-efficient, contributing to reduced environmental impact.

Conclusion

Corrosion Control System is a critical aspect of maintaining the integrity and functionality of sensitive equipment across various industries. AQOZA Technologies Pvt Ltd stands out as a leading manufacturer in India, offering advanced corrosion control systems tailored to meet the specific needs of its clients. With a focus on innovation, sustainability, and customer satisfaction, AQOZA continues to play a pivotal role in safeguarding critical infrastructure from the adverse effects of corrosion.